

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Form PTO-1449 (Modified)  
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**COMPLETE IF KNOWN**

Express Mail No.	EV335524899US
Application Number	
Confirmation Number	
Filing Date	Herewith
First Named Inventor	Gail A. Alverson
Group Art Unit	
Examiner Name	

Sheet	1	of	5	Attorney Docket No.	32475-8003US6
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**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
/LZ/		4,819,234		Huber	4/4/89	
		4,872,167		Maezawa et al.	10/3/89	
		5,168,554		Luke	12/1/92	
		5,301,325		Benson	4/5/94	
		5,333,280		Ishikawa et al.	7/26/94	
		5,450,575		Sites	9/12/95	
		5,504,932		Vassiliadis et al.	4/2/96	
		5,533,192		Hawley et al.	7/2/96	
		5,557,761		Chan	9/17/96	
		5,564,051		Halliwel et al.	10/8/96	
		5,581,764		Fitzgerald	12/3/96	
		5,594,864		Trauben	1/14/97	
		5,598,560		Benson	1/28/97	
		5,632,032		Ault et al.	5/20/97	
		5,652,889		Sites	7/29/97	
		5,712,996		Schepers	1/27/98	
		5,754,855		Miller et al.	5/19/98	
		5,768,591		Robinson	6/16/98	
		5,768,592		Chang	6/16/98	
		5,774,721		Robinson	6/30/98	
		5,787,245		You et al.	7/28/98	
		5,805,892		Nakajima	9/8/98	
		5,812,811		Dubey et al.	9/22/98	
		5,826,265		Van Huben et al.	10/20/98	
		5,867,643		Sutton	2/2/99	
		5,877,766		Bates et al.	3/2/99	
		5,887,166		Mallick et al.	3/23/99	
		5,901,315		Edwards et al.	5/4/99	
		5,903,730		Asai et al.	5/11/99	
		5,913,925		Kahle et al.	6/22/99	
		5,953,530		Rishi et al.	9/14/99	
		5,961,639		Mallick et al.	10/5/99	
/LZ/		5,966,539		Srivastava	10/12/99	

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/LZ/		5,978,902		Mann	11/2/99	
		6,002,872		Alexander III et al.	12/14/99	
		6,002,879		Radigan et al.	12/14/99	
		6,009,269		Burrows et al.	12/28/99	
		6,029,005		Radigan	2/22/00	
		6,049,671		Slivka et al.	4/11/00	
		6,058,493		Talley	5/2/00	
		6,059,840		Click, Jr.	5/9/00	
		6,072,952		Janakiraman	6/6/00	
		6,094,716		Witt	7/25/00	
		6,101,524		Choi et al.	8/8/00	
		6,112,293		Witt	8/29/00	
		6,151,701		Humphreys et al.	11/21/00	
/LZ/		6,151,704		Radigan	11/21/00	

**FOREIGN PATENT DOCUMENTS**

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/LZ/		DE	19710252	A1	Fujitsu Ltd.	2/26/98		
/LZ/		EP	0422945		International Business Machines	4/17/91		
/LZ/		EP	0455966		International Business Machines	11/13/91		
/LZ/		EP	0537098		International Business Machines	4/14/93		
/LZ/		EP	0855648		Texas Instruments, Inc.	7/29/98		
/LZ/		EP	0864979		Digital Equipment Corporation	9/16/98		
/LZ/		GB	2307760		AT&T Corp.	6/4/97		

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/LZ/		"Method of Tracing Events in Multi-Threaded OS/2 Applications," IBM Tech. Disclosure Bulletin, September 1993, pp. 19-22	
/LZ/		Adelberg, Brad et al., "The Strip Rule System for Efficiently Maintaining Derived Data," Sigmod Record, Association for Computing Machinery, New York, Vol. 26, No. 2, June 1, 1997	
/LZ/		Agrawal, Gagan et al., "Interprocedural Data Flow Based Optimizations for Compilation of Irregular Problems," Annual Workshop on Languages and Compilers for Parallel Computing, 1995	
/LZ/		Agrawal, Hiralal, "Dominators, Super Blocks and Program Coverage," 21st ACM SIGPLAN-SIGACT Symposium on Principles of Programming Languages, Portland, Oregon, January 17-21, 1994	
/LZ/		Alverson, Gail et al., "Processor Management in the Tera MTA System," 1995	
/LZ/		Alverson, Gail et al., "Scheduling on the Tera MTA," Job Scheduling Strategies for Parallel Processing, 1995	
/LZ/		Alverson, Gail et al., "Tera Hardware-Software Cooperation," Proceedings of Supercomputing 1997, San Jose, California, November 1997	
/LZ/		Alverson, Robert et al., "The Tera Computer System," Proceedings of 1990 ACM International Conference on Supercomputing, June 1990	
/LZ/		Anderson, Jennifer, et al., "Continuous Profiling: Where Have All The Cycles Gone?," Operating Systems Review, ACM Headquarters, New York, Vol. 31, No. 5, December 1, 1997	
/LZ/		Bailey, D.H. et al., "The NAS Parallel Benchmarks – Summary and Preliminary Results," Numerical Aerodynamic Simulation (NAS) Systems Division, NASA Ames Research Center, California, 1991	
/LZ/		Briggs, Preston et al., "Coloring Heuristics for Register Allocation," Department of Computer Science, Rice University, Houston, Texas, June 1989	
/LZ/		Briggs, Preston et al., "Coloring Register Pairs," ACM Letters on Programming Languages and Systems, Vol. 1, No. 1, March 1992, pp. 3-13	
/LZ/		Briggs, Preston et al., "Effective Partial Redundancy Elimination," ACM SIGPLAN Notices, Association for Computing Machinery, New York, Vol. 29, No. 6, June 1, 1994	
/LZ/		Callahan, David et al., "A Future-Based Parallel Language for a General-Purpose Highly-Parallel Computer, Languages and Compilers for Parallel Computing, MIT Press, 1990	

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/LZ/		Callahan, David et al., "Improving Register Allocation for Subscripted Variables," Proceedings of the ACM SIGPLAN Conference on Programming Language Design and Implementation, White Plains, New York, June 20-22, 1990		
/LZ/		Callahan, David et al., "Register Allocation via Hierarchical Graph Coloring," Proceedings of the ACM SIGPLAN '91 Conference on Programming Language Design and Implementation, Toronto, Canada, June 26, 28-1991		
/LZ/		Callahan, David, "Recognizing and Parallelizing Bounded Recurrences," August 1991		
/LZ/		Chaudhuri, Surajit et al., "An Overview of Data Warehousing and OLAP Technology," Sigmod Record, Association for Computing, New York, Vol. 26, No. 1, March 1997		
/LZ/		Chow, Fred C. et al., "The Priority-Based Coloring Approach to Register Allocation," ACM Transactions on Programming Languages and Systems, Vol. 12, No. 4, October 1990, pp. 501-536		
/LZ/		Click, Cliff, "Global Code Motion, Global Value Numbering," ACM SIGPLAN Notices, Association for Computing Machinery, New York, Vol. 30, No. 6, June 1, 1995		
/LZ/		Cook, Jonathan E. et al., "Event Based Detection of Concurrency," SIGSOFT '98 ACM, 1998, pp. 34-45		
/LZ/		Davidson, Jack W. et al., "Reducing the Cost of Branches by Using Registers," "Proceedings of the 17th Annual Symposium on Computer Architecture," Seattle, Washington, May 28-31, 1990		
/LZ/		Galarowicz, Jim et al., "Analyzing Message Passing Programs on the Cray T3E with PAT and VAMPIR," Research Report, "Online!", May 1998		
/LZ/		George, Lal et al., "Iterated Register Coalescing," ACM Transactions on Programming Languages and Systems, Vol. 18, No. 3, May 1996, pp. 300-324		
/LZ/		Goldman, Kenneth J., "Introduction to Data Structures," 1996 (retrieved from Internet, <a href="http://www.cs.wustl.edu/kjg/CS101_SP97/Notes/DataStructures/structures.html">http://www.cs.wustl.edu/kjg/CS101_SP97/Notes/DataStructures/structures.html</a> )		
/LZ/		Hayashi, H. et al., "ALPHA: A High Performance Lisp Machine Equipped with a New Stack Structure and Garbage Collection System," 10th Annual International Symposium on Computer Architecture, 1983		
/LZ/		Ji, Minwen et al., "Performance Measurements for Multithreaded Programs," SIGMETRICS '98, ACM, 1998, pp. 168-170		

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/LZ/		Knoop, Jens et al., "The Power of Assignment Motion," ACM SIGPLAN '95 Conference on Programming Language Design and Implementation," La Jolla, California, June 18-21, 1995	
/LZ/		Kolte, Priyadarshan et al., "Load/Store Range Analysis for Global Register Allocation," ACM-SIGPLAN, June 1993	
/LZ/		Korry, Richard et al., "Memory Management in the Tera MTA System," 1995	
/LZ/		Lang, Tomas et al., "Reduced Register Saving/Restoring in Single-Window Register Files," Computer Architecture News, Vol. 14, No. 3, June 1986	
/LZ/		Linton, Mark A., "The Evolution of Dbx," USENIX Summer Conference, June 11-15, 1990	
/LZ/		Major System Characteristics of the TERA MTA, 1995.	
/LZ/		Ram, Aswhin et al., "Parallel Garbage Collection Without Synchronization Overhead," 12th Annual Symposium on Computer Architecture," June 17, 1985	
/LZ/		Shim, SangMin et al., "Split-Path Enhanced Pipeline Scheduling for Loops with Control Flows," IEEE, December 2, 1998	
/LZ/		Smith, Burton, "Opportunities for Growth in High Performance Computing," November 1995	
/LZ/		Smith, Burton, "The End of Architecture," Keynote Address Presented at the 17 <sup>th</sup> Annual Symposium on Computer Architecture, Seattle, Washington, May 29, 1990	
/LZ/		Smith, Burton, "The Quest for General-Purpose Parallel Computing	
/LZ/		Sreedhar, Vugranam C. et al., "Incremental Computation of Dominator Trees," ACM SIGPLAN Notices, Association for Computing Machinery, New York, Vol. 30, No. 3, March 1, 1995	
/LZ/		Tera Computer Company, "TERA MTA Principles of Operation", November 18, 1997, 257pages	✓
/LZ/		Touzeau, Roy F., "A Fortran Compiler for the FPS-164 Scientific Computer," Proceedings of the ACM SIGPLAN '84 Symposium on Compiler Construction, SIGPLAN Notices 19(6):48-57, June 1984	
/LZ/		Tsai, Jenn-Yuan et al., "Performance Study of a Concurrent Multithreaded Processor," IEEE, 1998, pp. 24-35	

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete If Known</b>	
				Application Number	10/697,890-Conf. #9191
				Filing Date	October 30, 2003
				First Named Inventor	Gail A. Alverson
				Art Unit	2157
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	324758003US6

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
/LZ/		US-6,154,796	11-28-2000	Kuo et al.	
/LZ/		US-6,263,410	07-17-2001	Kao et al.	
/LZ/		US-4,860,285	08-22-1989	Miller et al.	
/LZ/		US-5,805,878	09-08-1998	Rahman et al.	
/LZ/		US-5,600,837	02-04-1997	Artieri, Alain	
/LZ/		US-6,473,818	10-29-2002	Niu et al.	
/LZ/		US-5,974,483	10-26-1999	Ray et al.	
/LZ/		US-6,161,160	12-12-2000	Niu et al.	

FOREIGN PATENT DOCUMENTS						
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/LZ/		US-5,881,264	03-09-1999	Kurosawa	
/LZ/		US-5,926,227	07-20-1999	Schoner et al.	
/LZ/		US-5,931,926	08-03-1999	Yeung et al.	

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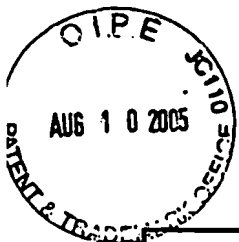
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/LZ/		US-6,182,195	01-30-2001	Laudon et al.	

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<b>Substitute for form 1449A/B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete If Known</b>	
				Application Number	10/697,890-Conf. #9191
				Filing Date	October 30, 2003
				First Named Inventor	Gail A. Alverson
				Art Unit	2157
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	324758003US6

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
/LZ/		US-5,542,058	07-30-1996	Brown, III et al.	
/LZ/		US-5,560,029	09-24-1996	Papadopoulos et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

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Examiner Signature	/Li Zhen/	Date Considered	11/15/2007
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PTO/SB/08a/b (07-05)

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				Examiner Name	L. B. Zhen
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/LZ/		US-6,314,471	11-06-2001	Alverson et al.	

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/LZ/		US-4,316,245	02-16-1982	Luu et al.	
		US-4,321,451	03-23-1982	Inoue et al.	
		US-4,395,757	07-26-1983	Biennu et al.	
		US-4,725,946	02-16-1988	Prange et al.	
		US-5,247,675	09-21-1993	Farrell et al.	
		US-5,274,809	12-28-1993	Iwasaki et al.	
		US-5,295,451	03-22-1994	Takenoya et al.	
		US-5,440,708	08-08-1995	Takagi et al.	
		US-5,442,789	08-15-1995	Baker et al.	
		US-5,515,538	05-07-1996	Kleiman	
		US-5,546,301	08-13-1996	Agrawal et al.	
		US-5,557,747	09-17-1996	Rogers et al.	
		US-5,666,523	09-09-1997	D'Souza	
		US-5,757,678	05-26-1998	Leeke	
		US-5,828,880	10-27-1998	Hanko	
/LZ/		US-6,128,677	10-03-2000	Miller et al.	

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